

Appln No. 10/668,659

Amdt date March 14, 2006

Reply to Office action of December 15, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An adjustable pocket drilling fixture comprising:

~~a base, a clamping face on said base, said clamping face defining a plane~~ having a base face adapted to engage a workpiece;

~~a clamp body[[,]] having a first clamping face on said clamp body opposing said clamping face on said base;~~

a clamping structure interengaging said clamp body and said base, said clamping structure including a clamp actuator positioned adjacent to said base to move said clamp body in a clamping direction;

a guide carrier disposed on said base and having a second clamping face which is substantially perpendicular with respect to said base face;[[,]] and

at least one drill guide in said guide carrier, said drill guide having an axis which angularly intersects said plane of said second clamping face on said base, said guide carrier being slidably movably mounted on said base to move in a substantially perpendicular direction with respect to said base face to permit drilling at a selected position of a face of the workpiece move in a direction substantially parallel to said plane.

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2. (Currently Amended) The adjustable pocket drilling fixture of Claim 1, further comprising ~~a gauging~~ an upright structure between disposed on said base ~~[[and]]~~ to engage said guide carrier so that said guide carrier can be positioned at a predetermined distance from said base.

3. (Currently Amended) The adjustable pocket drilling fixture of Claim 2, wherein said ~~gauging~~ upright structure comprises at least one of at least one bar, a channel, a pocket, or a plate having a slot formed therein, wherein said guide carrier has at least one corresponding opening for said bar, a block for said channel, a chunk for said pocket, or a fastener for said slot in said plate, respectively, ~~has a plurality of surfaces formed thereon, said gauging structure being movable with respect to said base so that one of said surfaces can be positioned to gauge the height of said guide carrier~~ can be moved and positioned above said base.

Claims 4 and 5 (Cancelled)

6. (Currently Amended) The adjustable pocket drilling fixture of Claim 1, wherein said clamp actuator is ~~on a same~~ positioned at an opposite side as the guide carrier from said clamp body and adjacent to said base so that clamping and drilling the workpiece can be accomplished on the same side.

Claims 7-10 (Cancelled)

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11. (Currently Amended) The adjustable pocket drilling fixture of ~~Claim 9~~ Claim 2, further comprising a quick engagement used to slidably couple said guide carrier ~~to said base and said upright structure~~, wherein said quick engagement can be disengaged to slide said guide carrier with respect to said ~~base~~ upright structure, and engaged to fix a position of said guide carrier with respect to said ~~base~~ upright structure.

12. (Currently Amended) The adjustable pocket drilling fixture of ~~claim 1~~ Claim 2, further ~~comprising a carrier support mounted on said base, wherein~~ at least one said guide carrier support slidably engages mounted on said guide carrier upright structure in a direction substantially ~~perpendicular~~ normal to said clamping direction and to said perpendicular direction.

13. (Currently Amended) The adjustable pocket drilling fixture of Claim 12, further comprising a linear ratchet mechanism ~~used to slidably~~ which engages said guide carrier ~~[[to]] and said carrier support upright structure~~, wherein said linear ratchet mechanism can be unlocked to slide said guide carrier with respect to said ~~carrier support~~ upright structure, and locked to fix a position of said guide carrier with respect to said ~~carrier support~~ upright structure.

Claims 14-16 (Cancelled)

17. (Currently Amended) The adjustable pocket drill fixture of claim 11, wherein said quick engagement comprises at

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least one of a leaf spring, detents, teeth or a turret, wherein said quick engagement is disposed in at least one of said guide carrier, said upright structure or for adjusting a vertical position of said guide carrier with respect to said base.

18. (Cancelled)

19. (Currently Amended) An adjustable pocket drilling fixture comprising:

a clamping face, said clamping face defining a plane;

a guide carrier, at least one drill guide in said guide carrier to guide a step drill, said drill guide having an axis which angularly intersects said plane of said clamping face; and,

~~a bit disposed in said drill guide, said bit having indicia disposed on a shank surface of said step drill, wherein said indicia are indicative of workpiece thickness so as to indicate drilling depth.~~

20. (Currently Amended) An adjustable pocket drilling fixture comprising:

a clamping face, said clamping face defining a plane;

a guide carrier, at least one drill guide in said guide carrier, said drill guide having an axis which intersects said plane of said clamping face; and[[,]]

~~at least an indicia pocket~~ formed on [[the]] a surface in-between said plane and an entrance of said [[of]] drill guide entrance, which has a relationship to said [[the]] axis, wherein

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~~the~~ width of said indicia ~~pocket~~ is substantially equal to an internal diameter of said drill guide.

21. (New) The adjustable pocket drilling fixture of Claim 20, wherein said indicia comprises at least one of a recessed pocket, a protrusion or a plurality of lines.

22. (New) The adjustable pocket drilling fixture of Claim 3, further comprising means for determining the position of said guide carrier with respect to said base, said determining means comprising at least one of indicia, detents, a turret, a ratchet, or teeth, wherein said determining means is disposed on at least one of said guide carrier, said upright structure or said base.

23. (New) The adjustable pocket drilling fixture of Claim 22, wherein said determining means has a relationship to thickness of the workpiece.

24. (New) The adjustable pocket drilling fixture of Claim 1, further comprising means for clamping the workpiece in-between said first and second clamping faces, wherein said clamping means comprises at least one of: a clamp unit having said first clamping face and mounted on said base; one of at least a knob, a clamp handle or a cam connected to a screw, which engages said base with respect to said clamp body, and a nut disposed in said clamp body; one of at least a knob, a clamp

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handle; or a cam connected to at least one bar which engages said clamp body with respect to said base.

25. (New) The adjustable pocket drilling fixture of Claim 1, further comprising a third clamping face formed in said base, which is substantially parallel to said second clamping face so as to reduce bending stress on at least one of said clamping structure, said clamp body or said guide carrier.

26. (New) An adjustable pocket drilling fixture comprising:

- a base having a base face adapted to engage a workpiece;

- a clamp body having a first clamping face;

- a clamping structure interengaging said clamp body and said base, said clamping structure including a clamp actuator to move said clamp body, wherein said clamp body is positioned near a first end of said base;

- a guide carrier disposed on said base and having a second clamping face which is substantially perpendicular to said base face, and

- at least one drill guide disposed in said guide carrier, said drill guide having an axis which is adapted to angularly intersect two adjoining surfaces of the workpiece, wherein said clamp actuator is positioned adjacent to said second end of said base so that clamping and drilling the workpiece can be accomplished on the same side.